

In the Abstract:

Please replace the Abstract with the following:

--Disclosed is a method of automated speaker identification, comprising receiving a sample speech input signal from a sample handset; deriving a cepstral covariance sample matrix from said the first sample speech signal; calculating, with a distance metric, all distances between said the sample matrix and one or more cepstral covariance signature matrices; determining if the smallest of said the distances is below a predetermined threshold value; and wherein said the

$$d_5(S, \Sigma) = A + \frac{1}{H} - 2$$

distance metric is selected from ,

$$d_6(S, \Sigma) = (A + \frac{1}{H})(G + \frac{1}{G}) - 4$$
$$d_7(S, \Sigma) = \frac{A}{2H}(G + \frac{1}{G}) - 1$$
$$d_8(S, \Sigma) = \frac{(A + \frac{1}{H})}{(G + \frac{1}{G})} - 1$$

, , ,

$$d_9(S, \Sigma) = \frac{A}{G} + \frac{G}{H} - 2$$

, fusion derivatives thereof, and fusion derivatives thereof

$$\text{with } d_1(S, \Sigma) = \frac{A}{H} - 1$$

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